

## EAST Search History

| Ref # | Hits  | Search Query   | DBs                | Default Operator | Plurals | Time Stamp       |
|-------|-------|--|--------------------|------------------|---------|------------------|
| S1    | 8228  | 375/354-376.CCLS.                                    | US-PGPUB;<br>USPAT | OR               | ON      | 2005/06/09 14:01 |
| S2    | 1640  | S1 AND correlat\$                                    | US-PGPUB;<br>USPAT | OR               | ON      | 2005/05/23 11:12 |
| S3    | 1309  | S2 AND @ad<"20010101"                                | US-PGPUB;<br>USPAT | OR               | ON      | 2005/05/23 11:16 |
| S4    | 460   | S3 AND peak  | US-PGPUB;<br>USPAT | OR               | ON      | 2005/05/23 13:54 |
| S5    | 34236 | "3" AND (shift WITH reference)                       | US-PGPUB;<br>USPAT | OR               | ON      | 2005/05/23 13:54 |
| S6    | 8228  | 375/354-376.CCLS.                                    | US-PGPUB;<br>USPAT | OR               | ON      | 2005/05/23 15:50 |
| S7    | 1640  | S6 AND correlat\$                                    | US-PGPUB;<br>USPAT | OR               | ON      | 2005/05/23 13:54 |
| S8    | 1309  | S7 AND @ad<"20010101"                                | US-PGPUB;<br>USPAT | OR               | ON      | 2005/05/23 13:54 |
| S9    | 188   | S8 AND (shift WITH reference)                        | US-PGPUB;<br>USPAT | OR               | ON      | 2006/03/08 09:38 |
| S10   | 81    | S6 AND (synch\$ ADJ correlat\$)                      | US-PGPUB;<br>USPAT | OR               | ON      | 2005/05/23 15:19 |
| S11   | 405   | 375/365.CCLS.  | US-PGPUB;<br>USPAT | OR               | ON      | 2005/05/23 14:22 |
| S12   | 359   | S11 AND @ad<"20010101"                               | US-PGPUB;<br>USPAT | OR               | ON      | 2005/05/23 14:22 |
| S13   | 134   | S12 AND correlat\$                                   | US-PGPUB;<br>USPAT | OR               | ON      | 2005/05/23 15:03 |
| S14   | 2035  | synch\$ ADJ signal ADJ generator                     | US-PGPUB;<br>USPAT | OR               | ON      | 2005/05/23 15:05 |
| S15   | 2     | US-5117441-\$.DID. OR<br>US-5856997-\$.DID.          | US-PGPUB;<br>USPAT | OR               | ON      | 2005/05/23 15:04 |
| S16   | 349   | (synch\$ ADJ signal ADJ generator)<br>AND correlat\$ | US-PGPUB;<br>USPAT | OR               | ON      | 2005/05/23 15:06 |
| S17   | 119   | S16 AND peak   | US-PGPUB;<br>USPAT | OR               | ON      | 2005/05/23 15:06 |
| S18   | 69    | S17 AND @ad<"20010101"                               | US-PGPUB;<br>USPAT | OR               | ON      | 2005/05/23 15:06 |
| S19   | 70    | "synchronization correlator"                         | US-PGPUB;<br>USPAT | OR               | ON      | 2005/05/23 15:19 |
| S20   | 0     | "synchronization correllator"                        | US-PGPUB;<br>USPAT | OR               | ON      | 2005/05/23 15:19 |
| S21   | 57    | S19 NOT S10  | US-PGPUB;<br>USPAT | OR               | ON      | 2005/05/23 15:27 |

## EAST Search History

|     |     |   |                              |    |    |                  |
|-----|-----|---|------------------------------|----|----|------------------|
| S22 | 10  | (synch ADJ (frame OR word))<br>WITH correlat\$                                    | US-PGPUB;<br>USPAT           | OR | ON | 2005/05/23 15:27 |
| S23 | 758 | S6 AND (synch\$ ADJ2 reference)   | US-PGPUB;<br>USPAT           | OR | ON | 2005/05/23 15:29 |
| S24 | 34  | S6 AND ((synch\$ ADJ2 reference)<br>WITH shift)                                   | US-PGPUB;<br>USPAT           | OR | ON | 2005/05/23 15:29 |
| S25 | 71  | S6 AND (sample ADJ reference)   | US-PGPUB;<br>USPAT           | OR | ON | 2005/05/23 15:51 |
| S26 | 29  | S25 AND correlat\$  | US-PGPUB;<br>USPAT           | OR | ON | 2005/05/23 15:51 |
| S27 | 52  | S25 AND @ad<"20010101"  | US-PGPUB;<br>USPAT           | OR | ON | 2005/05/23 16:44 |
| S28 | 514 | 375/368.CCLS. AND<br>@ad<"20010101"   | US-PGPUB;<br>USPAT           | OR | ON | 2005/05/23 17:12 |
| S29 | 179 | S28 AND correlat\$  | US-PGPUB;<br>USPAT           | OR | ON | 2005/05/23 16:46 |
| S30 | 57  | S29 AND peak  | US-PGPUB;<br>USPAT           | OR | ON | 2005/05/23 16:46 |
| S31 | 55  | S28 AND (shift WITH reference)  | US-PGPUB;<br>USPAT           | OR | ON | 2005/05/23 17:12 |
| S32 | 577 | 375/368.CCLS.   | US-PGPUB;<br>USPAT           | OR | ON | 2005/05/26 10:49 |
| S33 | 203 | S32 AND sample  | US-PGPUB;<br>USPAT           | OR | ON | 2005/05/25 16:07 |
| S34 | 232 | S32 AND sample\$  | US-PGPUB;<br>USPAT           | OR | ON | 2005/05/25 16:08 |
| S35 | 193 | S32 AND correlat\$  | US-PGPUB;<br>USPAT           | OR | ON | 2005/05/25 17:24 |
| S36 | 1   | "20030139201"   | US-PGPUB;<br>USPAT           | OR | ON | 2005/05/25 17:24 |
| S37 | 6   | ("3943346"   "4644561"  <br>"4941155"   "5068916"  <br>"5121414"   "5150380").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/05/26 08:43 |
| S38 | 38  | ("5276706").URPN.   | USPAT                        | OR | ON | 2005/05/26 08:47 |
| S39 | 1   | ("5276706").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/05/26 09:22 |
| S40 | 0   | ("6895231").URPN.   | USPAT                        | OR | ON | 2005/05/26 09:22 |
| S41 | 3   | ("3973209"   "4010421"  <br>"4020283").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/05/26 09:22 |
| S42 | 7   | ("4203002").URPN.   | USPAT                        | OR | ON | 2005/05/26 09:24 |

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|     |    |  |                                 |    |    |                  |
|-----|----|--|---------------------------------|----|----|------------------|
| S43 | 15 | ("3654390"   "3777130"  <br>"3842399"   "3881101"  <br>"3940558"   "3952254"  <br>"3961171"   "3978285"  <br>"4027100"   "4029900"  <br>"4032885"   "4034352"  <br>"4168529"   "4203002"  <br>"4209834").PN. | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON | 2005/05/26 09:34 |
| S44 | 48 | ("4414676").URPN.  | USPAT                           | OR | ON | 2005/05/26 09:37 |
| S45 | 1  | ("5809009").PN.  | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON | 2005/05/26 10:05 |
| S46 | 11 | ("5909471").URPN.  | USPAT                           | OR | ON | 2005/05/26 10:06 |
| S47 | 1  | ("5809009").PN.  | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON | 2005/05/26 10:09 |
| S48 | 7  | ("4675886"   "4686690"  <br>"5003560"   "5018140"  <br>"5228065"   "5710774"  <br>"5862143").PN.   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON | 2005/05/26 10:13 |
| S49 | 3  | ("6104770").URPN.  | USPAT                           | OR | ON | 2005/05/26 10:14 |
| S50 | 3  | ("5299189"   "6167079"  <br>"6198779").PN.   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON | 2005/05/26 10:17 |
| S51 | 2  | ("6272186").URPN.  | USPAT                           | OR | ON | 2005/05/26 10:17 |
| S52 | 11 | ("4860323"   "5132986"  <br>"5444697"   "5574754"  <br>"5638362"   "5832029"  <br>"6064695"   "6088406"  <br>"6188679"   "6345045"  <br>"6424673").PN.   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON | 2005/05/26 10:19 |
| S53 | 24 | ("5574754").URPN.  | USPAT                           | OR | ON | 2005/05/26 10:21 |
| S54 | 11 | ("4860323"   "5132986"  <br>"5444697"   "5574754"  <br>"5638362"   "5832029"  <br>"6064695"   "6088406"  <br>"6188679"   "6345045"  <br>"6424673").PN.   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON | 2005/05/26 10:22 |
| S55 | 5  | ("5121414"   "5177740"  <br>"5408504"   "5539751"  <br>"5590160").PN.  | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON | 2005/05/26 10:26 |
| S56 | 7  | ("5680421").URPN.  | USPAT                           | OR | ON | 2005/05/26 10:43 |
| S57 | 26 | SIMMONS.IN. ADJ SEAN.IN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2005/05/26 10:48 |

## EAST Search History

|     |      |  |                                 |    |    |                  |
|-----|------|--|---------------------------------|----|----|------------------|
| S58 | 6    | KEMENCZY.IN. AND ZOLTAN.IN.                        | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2005/05/26 10:48 |
| S59 | 577  | 375/368.CCLS.                                      | US-PGPUB;<br>USPAT              | OR | ON | 2005/05/26 10:49 |
| S60 | 2203 | (synch\$ ADJ word)                                 | US-PGPUB;<br>USPAT              | OR | ON | 2005/05/26 10:49 |
| S61 | 201  | S60 WITH correlat\$                                | US-PGPUB;<br>USPAT              | OR | ON | 2005/05/26 10:50 |
| S62 | 188  | S61 NOT S59  | US-PGPUB;<br>USPAT              | OR | ON | 2005/05/26 10:50 |
| S63 | 8266 | 375/354-376.CCLS.                                  | US-PGPUB;<br>USPAT              | OR | ON | 2005/06/09 08:42 |
| S64 | 59   | S63 AND (shift WITH reference<br>WITH correlat\$)  | US-PGPUB;<br>USPAT              | OR | ON | 2005/06/09 08:42 |
| S65 | 71   | 375/354-376.CCLS. AND (sample<br>ADJ reference)    | US-PGPUB;<br>USPAT              | OR | ON | 2005/06/09 11:56 |
| S66 | 6097 | (sample ADJ reference)                             | US-PGPUB;<br>USPAT              | OR | ON | 2005/06/09 11:57 |
| S67 | 41   | (sample ADJ reference ADJ<br>sequence)             | US-PGPUB;<br>USPAT              | OR | ON | 2005/06/09 11:57 |
| S68 | 8266 | 375/354-376.CCLS.                                  | US-PGPUB;<br>USPAT              | OR | ON | 2005/06/09 14:01 |
| S69 | 27   | S68 AND (correlat\$ WITH DSP)                      | US-PGPUB;<br>USPAT              | OR | ON | 2005/06/09 15:36 |
| S70 | 148  | "FM" AND S68 AND correlat\$                        | US-PGPUB;<br>USPAT              | OR | ON | 2005/06/09 15:36 |
| S71 | 134  | S70 AND @ad<"20010101"                             | US-PGPUB;<br>USPAT              | OR | ON | 2005/06/09 15:37 |
| S72 | 1    | "20030138032"                                      | US-PGPUB;<br>USPAT              | OR | ON | 2005/06/10 10:52 |
| S73 | 0    | "phase calculator" WITH<br>"frequency demodulator" | US-PGPUB;<br>USPAT              | OR | ON | 2005/11/15 09:05 |
| S74 | 0    | "frequency demodulator" WITH IF                    | US-PGPUB;<br>USPAT              | OR | ON | 2005/11/15 09:06 |
| S75 | 0    | "frequency demodulator" WITH<br>"IF"               | US-PGPUB;<br>USPAT              | OR | ON | 2005/11/15 09:06 |
| S76 | 1687 | "frequency demodulator"                            | US-PGPUB;<br>USPAT              | OR | ON | 2005/11/15 09:06 |
| S78 | 1395 | S76 AND @ad<"20010101"                             | US-PGPUB;<br>USPAT              | OR | ON | 2005/11/15 09:07 |
| S79 | 269  | S78 AND "375"/\$.CCLS.                             | US-PGPUB;<br>USPAT              | OR | ON | 2005/11/15 09:36 |

## EAST Search History

|     |       |                        |                    |    |    |                  |
|-----|-------|------------------------|--------------------|----|----|------------------|
| S80 | 1797  | 329/315-344.CCLS.      | US-PGPUB;<br>USPAT | OR | ON | 2005/11/15 09:36 |
| S81 | 842   | S80 AND @ad<"20010101" | US-PGPUB;<br>USPAT | OR | ON | 2005/11/15 10:10 |
| S82 | 0     | "390"/\$.CCLS.         | US-PGPUB;<br>USPAT | OR | ON | 2005/11/15 10:10 |
| S83 | 0     | "390"/\$.CCLS.         | US-PGPUB;<br>USPAT | OR | ON | 2005/11/15 10:10 |
| S84 | 12481 | "398"/\$.CCLS.         | US-PGPUB;<br>USPAT | OR | ON | 2005/11/15 10:11 |
| S85 | 45697 | "375"/\$.CCLS.         | US-PGPUB;<br>USPAT | OR | ON | 2005/11/15 10:11 |
| S86 | 3937  | 375/140-152.CCLS.      | US-PGPUB;<br>USPAT | OR | ON | 2005/11/15 10:11 |
| S87 | 331   | 375/140.CCLS.          | US-PGPUB;<br>USPAT | OR | ON | 2005/11/15 10:11 |
| S88 | 1     | "20050195894"          | US-PGPUB;<br>USPAT | OR | ON | 2006/01/17 08:34 |
| S89 | 603   | 375/368.CCLS.          | US-PGPUB;<br>USPAT | OR | ON | 2006/03/08 09:41 |
| S90 | 553   | S89 AND @ad<"20020101" | US-PGPUB;<br>USPAT | OR | ON | 2006/03/08 09:41 |
| S91 | 190   | S90 AND correlat\$     | US-PGPUB;<br>USPAT | OR | ON | 2006/03/08 09:41 |
| S92 | 56    | perilla ADJ jason      | US-PGPUB;<br>USPAT | OR | ON | 2006/03/08 10:55 |